

What is claimed is:

1. A wireless messaging system, comprising:

a transmitter for receiving message requests and in response transmitting corresponding wireless messages;

a transmission monitor for receiving wireless messages transmitted by the transmitter;

a messaging controller connected to the transmission monitor for receiving and storing message requests and automatically forwarding received message requests to the transmitter, the messaging controller comprising:

a controller timer for tracking time lapsed between forwarding by the messaging controller of each message request and receipt by the transmission monitor of each corresponding wireless message; and

a first action trigger for triggering at least one controlling action when time tracked by the controller timer exceeds a first predetermined period.

2. The wireless messaging system of claim 1, wherein the at least one controlling action comprises the messaging controller re-forwarding a stored message request.

3. The wireless messaging system of one of claims 1-2, wherein the transmission monitor further comprises a monitor timer for tracking time lapsed since receipt by the transmission monitor of a wireless message and a second action trigger for triggering at least one system integrity action and resetting the timer when the time tracked by the timer exceeds a second predetermined period.

4. The wireless messaging system of claim 3, wherein the transmission monitor comprises a beacon message request generator and the at least one system integrity action comprises generating a beacon message request for receipt by the messaging controller.

5. The wireless messaging system of claim 3, wherein the messaging controller comprises a primary drive and a backup drive and the at least one system integrity action comprises the transmission monitor sending a control message to the messaging controller to switch to the backup drive.

6. The wireless messaging system of claim 4, wherein the messaging controller comprises a primary drive and a backup drive and the at least one system integrity action comprises the transmission monitor sending a control message to the messaging controller to switch to the backup drive.

7. The wireless messaging system of claim 3, wherein the transmitter comprises at least one backup transmission channel and the at least one system integrity action comprises the transmission monitor sending a control signal to the transmitter to switch to the at least one backup transmission channel.

8. The wireless messaging system of claim 4, wherein the transmitter comprises at least one backup transmission channel and the at least one system integrity action comprises the transmission monitor sending a control signal to the transmitter to switch to the at least one backup transmission channel.

9. The wireless messaging system of claim 1, wherein the transmitter comprises at least one backup transmission channel and the at least one controlling action comprises the messaging controller sending a control signal to the transmitter to switch to the at least one backup transmission channel.

10. The wireless messaging system of claim 3, wherein the transmission monitor further comprises an alert generator and the at least one system integrity action comprises the alert generator generating an alert for receipt by a system administrator.

11. The wireless messaging system of claim 1, wherein the messaging controller further comprises an alert generator and the at least one controlling action comprises the alert generator generating an alert for receipt by a system administrator.

12. The wireless messaging system of claim 10, wherein the alert generator is selected from the group consisting of an email generator, a text message generator, a telephone call generator and a commercial page request generator.

13. The wireless messaging system of claim 11, wherein the alert generator is selected from the group consisting of an email generator, a text message generator, a telephone call generator and a commercial page request generator.

14. The wireless messaging system of claim 1, wherein the at least one controlling action comprises the messaging controller forwarding all message requests to an external messaging system.

15. The wireless messaging system of claim 1, wherein the messaging controller comprises interconnected master and a slave operating systems, the slave operating system initiating control when directed by the master operating system.

16. The wireless messaging system of claim 2, further comprising:

a backup transmission monitor for receiving wireless messages transmitted by

the transmitter;

a backup messaging controller for receiving and storing message requests, the backup messaging controller connected to the backup transmission monitor and the messaging controller;

a backup first action trigger connected to the backup messaging controller for triggering re-forwarding of a stored message request when time lapsed between forwarding of a message request and receipt of its corresponding wireless message by the transmission monitor exceeds a first predetermined period;

wherein messages received by the backup messaging controller are automatically forwarded to the transmitter when the messaging controller is not forwarding messaging requests.

17. The wireless messaging system of claim 1, wherein the messages are pages.

18. A method of controlling a wireless messaging system, the method comprising:

receiving a message transmission request;

storing the message transmission request;

forwarding the message transmission request to a transmitter for wireless transmission;

waiting for receipt of a wireless message corresponding to the stored transmission request; and

if time elapsed before receiving the wireless message exceeds a first predetermined period, triggering at least one controlling action.

19. The method of claim 18, wherein the at least one controlling action comprises re-forwarding the transmission request.

20. The method of one of claims 18-19, further comprising the steps of:

tracking time lapsed since receipt of any wireless message; and

if time lapsed before receiving any wireless message exceeds a second predetermined period, triggering at least one system integrity action.

21. The method of claim 20, wherein the at least one system integrity action comprises generating a message transmission request for storing and forwarding to the transmitter.

22. The method of claim 20, wherein the at least one system integrity action comprises re-configuring the wireless messaging system.

- 23. The method of claim 21, wherein the at least one system integrity action comprises re-configuring the wireless messaging system.
- 24. The method of claim 20, wherein the at least one system integrity action comprises alerting a system administrator.
- 25. The method of claim 18, wherein the at least one controlling action comprises re-configuring the wireless messaging system.
- 26. The method of claim 20, wherein the at least one controlling action comprises re-configuring the wireless messaging system.
- 27. The method of claim 18, wherein the at least one controlling action comprises alerting a system administrator.
- 28. The method of claim 18, wherein the at least one controlling action comprises forwarding the message transmission request to an external messaging system.
- 29. The method of claim 18, wherein the message is a page.